

**SECTION C-5**  
**SPECIFIC TASKS - EC**

**CHAPTER 1**  
**OPERATIONS**

---

**5.1. OPERATIONS**

Operations include, but are not limited to: operating various radars, communications and computer equipment; scoring Electronic Combat (EC) and Radar Bomb Scoring (RBS) activity and transmitting mission products to responsible agencies. Operations will be conducted IAW ACCI 13-201 and local supplements. Operational responsibilities include, but are not limited to: scoring Operational Readiness Inspections (ORIs), Surge Missions, normal training sorties and other missions; testing and validation of new equipment, customer-specific scenario application, hardware and software changes, and providing operational support to special missions at various locations. The contractor shall operate all C-E equipment, and their associated support equipment in accordance with ACCI 13-201, local operating procedures and applicable technical orders. During vulnerability periods, the site shall be manned with qualified personnel to operate all C-E systems.

**5.1.1. COMMUNICATIONS**

The contractor shall utilize communications procedures IAW applicable command and PTR directives. Communications responsibilities include, but are not limited to radio communication with aircrews and pre/post-mission communications.

**5.1.1.1. COMMAND BOMBING DATA ANALYSIS (CBDA)**

The contractor shall use CBDA in accordance with the CBDA User's Guide, and letters of instruction accompanying the Government provided software.

**5.1.1.2. ROUTE INTEGRATION INSTRUMENTATION SYSTEM (RIIS)**

The contractor shall use the site RIIS terminal to collect, display, and transmit site status information, and to collect and transmit mission data from the site to the RIIS Operations Center IAW the RIIS User's Guide and local procedures. The contractor shall operate the site RIIS console IAW ACCI 13-201. The contractor shall compare the RIIS schedule with the daily mission schedule and report all deviations via e-mail or telephone to the RIIS Operations Center prior to mission activity. The contractor shall update equipment status in RIIS prior to mission activity and not later than 15 minutes after any change in equipment status during vulnerability periods.

**5.1.1.3. AIRCREW SCORING INFORMATION NETWORK (ASIN)**

The contractor shall use ASIN IAW the ASIN users guide, ACCI 13-201, and letters of instruction accompanying the Government provided software.

**5.1.2. GOVERNMENT PROVIDED SOFTWARE CHANGES**

In conjunction with the Government, the contractor shall test, validate and implement changes to Government provided software. Changes to operations software include, but are not limited to,

Electronic Combat scenarios, communications software and embedded computer equipment software. The contractor shall comply with letters of instruction provided with the software and those provided by the Government. The contractor shall maintain backup copies of all software.

#### **5.1.3. EQUIPMENT OPERATIONAL CHECKS**

The contractor shall accomplish pre-operational checks on all C-E equipment before entering vulnerability periods. Pre-operational checks shall be re-accomplished after any maintenance action and prior to aircraft activity after a period of inactivity in excess of 2 hours. Pre-operational checks shall be IAW ACCI 13-201 and applicable equipment technical orders. The contractor shall perform calibration checks on all scoring equipment IAW applicable technical orders.

#### **5.1.4. EMERGENCY/INCIDENT PROCEDURES**

The contractor shall follow emergency procedures IAW ACCI 13-201 and local supplements for Aircraft Accident, Near Collision, Total Site Closure, Route Closure, Security Violation, Severe Weather Advisory, Equipment Damage, and reported Bird Hazard. Report any other site emergency IAW the owning Operational Support Squadron (OSS) procedures.

##### **5.1.4.1. PUBLIC COMPLAINTS**

Noise complaints or complaints involving community relations shall be reported IAW ACCI 13-201, Chapter 3. The contractor shall not attempt to resolve the complaint without explicit direction from the OSS/CC.

#### **5.1.5. WEATHER STATION OPERATION**

The contractor shall operate and maintain the weather station. Weather data shall be entered into the AN/TPQ-43 computer at the beginning of each scoring shift and checked/updated at least once during each scoring shift. Weather data shall be relayed to agencies needing the information on an as requested or as necessary basis. During periods of extreme weather conditions, the contractor shall closely monitor the weather station to ensure that radar equipment Technical Order operational limitations are not exceeded.

#### **5.1.6. OPERATIONS SCORING**

Scoring shall be in accordance with ACCR 51-18, ACCI 11-456, ACCI 13-201, local supplements, and specific letters of instruction.

##### **5.1.6.1. RBS SCORING PROCEDURES**

The contractor shall verify data contained on the AN/TPQ-43 Post Mission Report, apply additional calculations as necessary to derive position and impact scores and provide results in accordance with ACCI 13-201. Information and/or probable scores shall be submitted if possible for all aborted activity.

##### **5.1.6.2. EC SCORING PROCEDURES**

The contractor shall analyze, interpret and score electronic combat activity in accordance with ACCI 11-456 and specific letters of instruction. Scores shall be provided as required in accordance with ACCI 13-201. Requested TRAINS formats shall be faxed within 12 hours to the wing that conducted the activity. The contractor shall create a threat validation schedule for the MUTES and TRAINS. Threat validations shall be performed and documented in accordance with ACCI 13-201, and appropriate equipment technical orders.

### **5.1.6.3. SCORING ACCURACY**

The contractor shall validate the accuracy and completeness of all scoring products before submitting the results to using agencies. Scores shall be submitted within the time constraints identified in ACCI 13-201.

#### **5.1.6.3.1. Mission Abort Rate Calculations**

Mission aborts shall be calculated on a quarterly basis. Chargeable RBS and EC aborts shall consist of type 2B, 2C, and 2D aborts. Abort types are defined in ACCI 13-201.

### **5.1.6.4. OPERATIONS REPORTING REQUIREMENTS**

The contractor shall prepare and submit operations reports and forms IAW ACCI 13-201.

### **5.1.6.5. SPECIAL MISSION REQUIREMENTS**

The contractor shall score and report all special missions in accordance with governing ACC directives, ACCI 13-201, local supplements and specific letters of instruction.

## **5.2. MAINTENANCE**

The contractor shall maintain all Government Furnished Communications-Electronics (C-E) Equipment, test equipment and associated systems and support equipment using the criteria set forth in applicable technical data listed in Section C-6 of this PWS and approved contractor developed publications. Equipment listings are provided in Technical Exhibit 5. The contractor shall generate and maintain a Monthly Maintenance Plan at each ECR at full performance start and every month thereafter. This plan shall include the information listed below and all other data required IAW AFI 21-116:

- All scheduled maintenance and dates to be accomplished for the upcoming month (Accomplishments and deviations from the previous month's plan will also be reported)
- Previous months operational availability rates
- Previous months Not Repairable This Station (NRTS) actions
- Quality Control Inspection Schedule
- Configuration Control information to include current status of modifications, temporary fixes, cannibalization actions, and other actions

### **5.2.1. MAINTENANCE CONTROL**

The contractor shall establish a maintenance control function at each location for all C-E equipment. The maintenance control function shall include but is not limited to:

- System status reporting IAW AFI 21-103 and ACC Supp 1
- Controlling the Preventive Maintenance Inspection (PMI) program as defined in this PWS
- Acting as liaison for functions within the contractor's organization and other agencies in support of the maintenance effort
- Serving as the primary point of contact for real-time information on equipment status and in-progress repair actions

#### **5.2.1.1. STATUS REPORTING**

The contractor shall report equipment status via CAMS or a Government approved alternate system. CAMS data shall be input on a daily basis.

#### **5.2.1.2. C-E EQUIPMENT OPERATIONAL AVAILABILITY (AO)**

The Ao rates shown as part of Technical Exhibit 1 are ACC's minimum acceptable standards. Downtime at the direction of or caused by the Government will not be chargeable.

#### **5.2.1.3. MAINTENANCE DOCUMENTATION**

The contractor shall comply with all maintenance documentation procedures to track all maintenance actions controlled with event ID numbers IAW 00-20 series technical orders. An AFTO Form 350 annotated in accordance with TO 00-20-2 shall be attached to all chassis undergoing off-equipment maintenance or removed from the primary equipment for ease of maintenance. Condition tags shall be attached to removed or spare units after undergoing maintenance. These tags shall be annotated IAW TOs 00-20-2 and 00-20-3.

#### **5.2.1.4. PREVENTIVE MAINTENANCE INSPECTION (PMI) PROGRAM**

The contractor shall implement a PMI management program for all C-E equipment and C-E support equipment. This program shall ensure the master PMI list is current, required intervals are maintained, and PMIs are performed IAW equipment technical orders and approved publications.

#### **5.2.1.5. CORE AUTOMATED MAINTENANCE SYSTEM (CAMS)**

The contractor shall appoint in writing a primary custodian and an appropriate number of trained users at each site to input data into CAMS. The custodian and each user shall successfully complete the Government provided computer aided instruction program before using the CAMS terminal. An individual user identification number will be issued to each authorized user only after the individual has completed the instruction program. The responsible OSS will provide to the custodian any other codes necessary for CAMS operation. All codes shall be protected to preclude dissemination to unauthorized persons.

#### **5.2.1.6. JOB DATA DOCUMENTATION (JDD)**

All reportable maintenance actions shall be entered into CAMS, using Government provided software and equipment, at least once per business day and IAW applicable volumes of AFCSM 21-556 through 579. C-E systems requiring maintenance reporting actions are listed on the C-E Equipment Inventory Listing provided by HQ ACC/SCCX. Some maintenance actions on non-reportable systems shall be entered into CAMS as required by Technical Order 00-5-15.

#### **5.2.2. MAINTENANCE EFFORT**

The contractor shall ensure qualified maintenance personnel are on-site to accomplish immediate maintenance during vulnerability hours. The contractor may perform routine on-equipment maintenance during vulnerability periods, provided there is sufficient time to accomplish the maintenance and return the equipment to operational status before the next scheduled activity. When C-E equipment, including individual AN/MST-T1(V) pedestals, is not mission capable (MC), the contractor shall provide a continuous maintenance effort until the equipment is returned to MC status, or applicable parts are placed on order. Exceptions to the immediate maintenance requirement are listed in the individual site annexes. When competition for resources exists, site management shall reference the government-provided site-specific equipment maintenance priority list or special letters of instruction.

#### **5.2.2.1. CORROSION CONTROL**

The contractor shall keep assigned equipment and systems corrosion free. The corrosion control effort shall be performed in accordance with TOs 00-25-234, 1-1-8, 1-1-689 and 1-1-691.

#### **5.2.2.2. REPARABLE ASSETS**

The contractor shall control, repair as authorized by technical data, and return to supply all reparable assets. If the contractor has sufficient technical data, skills and parts to repair a restricted repair asset, a written request shall be submitted to HQ ACC/SCCX for an Air Force Materiel Command waiver to repair the repair-restricted asset. The repair must be approved before being accomplished. The contractor shall ensure Not Repairable This Station (NRTS) codes and actions are in accordance with TOs 00-20-3, 00-25-195 and 31P-1-06-1. Requests for emergency maintenance assistance shall be made to HQ ACC/SCCX, in accordance with TO 00-25-108.

#### **5.2.2.3. TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT (TMDE)**

The contractor shall maintain TMDE in accordance with TOs 33K-1-100-1 and 33K-1-100-2 and host base procedures. A TMDE monitor and alternate shall be appointed and attend host base TMDE monitor training. The contractor shall be responsible for assuring TMDE listings from the host base Precision Measurement Equipment Laboratory (PMEL) are accurate for all data to include serial number, calibration interval, last calibration date and calibration due date. The contractor shall transport and pick up TMDE at PMEL for both calibration and repair actions. Air Force PMEL shall be used to the maximum extent possible. Priority calibration request letters shall be sent to the PMEL by the contractor for extraordinary service requests. The CO may approve contractor requests for commercial calibration when time or mission constraints warrant, via telephone or e-mail. Telephone requests shall be followed-up, by letter, to the CO and be reimbursed. The contractor shall obtain QAE technical coordination or ACC/DORR technical coordination before requesting approval from the CO. All requirements set forth in AFI 21-113 and TO 00-20-14 for commercial calibrations shall be adhered to.

#### **5.2.2.4. TECHNICAL ORDERS (TOS)**

The contractor shall maintain all systems and equipment in accordance with TO procedures. If a TO is not published for a procedure, applicable commercial manuals shall be used. If the contractor wishes to supplement TOs or commercial manuals with local procedures, the procedures shall be written as Local Work Cards (LWC) in accordance with TO 00-5-1 and TO 00-5-2, numbered in accordance with TO 00-5-18 and submitted to ACC/SCCX for approval. Upon ACC/SCCX approval, the LWC shall be maintained and kept current at all affected operating locations and the site Functional Library. The contractor shall participate in the Technical Order Improvement Program by recommending TO changes on AFTO Forms 22 completed in accordance with TO 00-5-2 and submitted to ACC/SCYO.

#### **5.2.2.5. ELECTROSTATIC DISCHARGE (ESD)**

The contractor shall adhere to ESD precautions and procedures in accordance with TO 00-25-234 whenever an ESD device is being handled, installed, removed, repaired, stored, shipped, or checked during on- or off-equipment maintenance.

#### **5.2.2.6. SUPPLY DISCIPLINE**

The contractor shall adhere to the concepts of supply discipline as described in AFM 23-110.

#### **5.2.2.7. HOUSEKEEPING**

The contractor shall keep the maintenance production and work center areas clean and orderly to promote safe working conditions and facilitate the maintenance effort.

#### **5.2.3. LATERAL SUPPORT**

The contractor shall accomplish lateral support to maximize equipment availability. The contractor may use the Air Force supply/transportation system or any other means he deems appropriate. The CO may also direct lateral support, including mode of shipment. Transportation and shipping costs will be reimbursed by the Government when directed by the CO.

#### **5.2.4. CANNIBALIZATION**

The contractor shall establish a system to control and document all cannibalization actions IAW AFI 21-116. Cannibalization actions between sites must be authorized by ACC/SCCX before cannibalization takes place. Air Force supply channels shall be exhausted and lateral support actions considered before authorization will be granted. Inter-site cannibalization actions may be requested by telephone and approved requests shall be followed up by the contractor in writing within 10 business days. Entries for cannibalization actions shall be entered on all affected systems' AFTO Forms 95 in accordance with TO 00-20-8.

#### **5.2.5. CONFIGURATION CONTROL**

The contractor shall develop and implement a program to ensure configuration control.

##### **5.2.5.1. HISTORICAL RECORDS**

The contractor shall maintain existing historical data files and create historical data files for each new equipment end item. The historical data file shall contain an AFTO Form 95 or automated product, and any other historical data identified in TO 00-20-8 and AFI 21-116.

##### **5.2.5.2. TIME COMPLIANCE TECHNICAL ORDERS (TCTO)/MODIFICATIONS**

The contractor shall comply with applicable TCTOs and authorized equipment modifications. TCTO time constraints shall be complied with. TCTO/Modification documentation shall be accomplished in accordance with AFCSM 21-568, Vol 2, and TO 00-5-15.

##### **5.2.5.2.1. Modification Proposals**

Modification proposals by the contractor shall be submitted to ACC/DRMR in the format specified in DoDI 5000.2 and ACCI 63-1150. Proposal must be approved prior to modification.

##### **5.2.5.3. TEMPORARY FIXES**

Temporary fixes to equipment shall have a tag/label conspicuously placed on the equipment near the fix to indicate what the temporary fix consists of and when it was installed. An AFTO Form 350 tag shall not be used to tag temporary fixes. Temporary fixes shall be removed and equipment restored to TO configuration as soon as possible. The appropriate AFTO Form 95 shall be annotated to show installation and removal of all temporary fixes.

#### **5.2.6. PROGRAMMED DEPOT MAINTENANCE**

The contractor shall annually submit a consolidated PTR Five-Year Plan forecasting recommended depot overhaul requirements to HQ ACC/SCYO IAW TO 00-25-108. A recommended input that differs from the previous annual plan shall have sufficient justification to warrant the change. The plan shall be sent to HQ ACC/SCYS to meet HQ ACC suspense

(usually O/A 1 March). The Government will provide the contractor with the existing Five-Year Plan within 60 days after contract start.

#### **5.2.6.1. SYSTEMS ACCEPTANCE**

Upon arrival of a system from a depot overhaul function or other operating location, the contractor shall sign the Government Bill of Lading. The contractor shall erect the system in accordance with applicable TO procedures, perform an AFTO Form 47X series inventory and perform a thorough and complete operational system checkout. A contractor quality control special inspection shall be conducted concurrently with the operational checkout. Discrepancies discovered during the inventory, operational checkout and special inspection shall be annotated on the AFTO Form 217 and corrected as necessary. The inventory shall become part of the system historical data file. The contractor shall advise the QAE of the progress and results of the acceptance on a daily basis. The system shall not be used for scoring operations activity until authorized by the Government.

##### **5.2.6.1.1. New Systems Acceptance**

The contractor shall participate in site acceptance testing and system evaluation of new equipment as directed by the Government.

#### **5.2.6.2. SHIPPING SYSTEMS**

Systems being shipped shall first undergo a special inspection by the contractor's quality control function. The AFTO Form 47X inventory shall be accomplished jointly by the contractor and the QAE. The contractor shall sign the completed inventory. Systems being shipped shall be packed in accordance with applicable TO procedures. The original copy of the historical data files shall be conspicuously attached to the inside of the main entrance door of the system, the system door(s) locked and the keys given to the driver of the vehicle transporting the system. The contractor shall maintain a completed copy of the historical data file until notified by the Government.

#### **5.2.6.3. SPECIAL PACKING**

Packing of systems or any system component not specifically identified in the system technical orders shall be packed and crated in accordance with the Transportation Packing Orders, available through Host Base supply.

#### **5.2.7. TECHNICAL ASSISTANCE/DEPOT MEETINGS**

The contractor may be requested to provide technical assistance or repair at other training sites and/or a representative at the semi-annual Product Improvement Working Group (PIWG). Government-directed travel and per diem will be reimbursed IAW the Joint Travel Regulation. The contractor representative at the PIWG shall be familiar with the technical aspects of recommended agenda items and may be required to brief the working group. The meetings are normally 1 week each and held at the responsible Air Logistics Center (ALC). Suggested agenda inputs are due to ACC/SCCX 15 days after the contractor is notified of the meeting(s) date(s).

#### **5.2.8. REAL PROPERTY (GROUNDS) MAINTENANCE**

The contractor shall provide personnel, equipment and services necessary to perform tasks identified in this section. The government will reimburse contractor for materials needed to perform routine landscape maintenance to maintain existing appearance. Reimbursable material

expenditures over \$500 shall be validated by the QAE prior to purchase. Reimbursable material expenditures over \$2,500 shall have prior approval from the CO.

#### **5.2.8.1. MOW VEGETATION**

Precautions shall be taken to prevent scalping, uneven mowing, rutting by equipment and damage to trees and shrubs. The contractor shall repair damaged turf and replace shrubs and trees damaged during mowing operations at their own expense.

##### **5.2.8.1.1. Improved grounds**

Grass cutting shall be accomplished on improved grounds as listed in Technical Exhibit 3. Grass height shall be maintained at not less than two inches or more than five inches. Equipment site pads shall be kept free of vegetation and debris.

##### **5.2.8.1.2. Semi-improved grounds**

Cutting shall be accomplished on semi-improved grounds as listed in Technical Exhibit 3. Ground cover height shall be maintained at not more than fifteen inches.

##### **5.2.8.1.3. Edge/Trim Grass**

Grass shall be trimmed to maintain a neat appearance. This task includes areas of improved and semi-improved grounds as listed in Technical Exhibit 3. Herbicides, if allowed by state and local laws, may be used to control grass and weeds within a one foot radius around fence posts, fire hydrants, standpipes, signposts, utility poles and anchors, control valves and structures. Sidewalks, driveways and curbs located in the improved grounds areas shall be edged. Grass and weeds shall be removed and disposed of when edging is performed.

#### **5.2.8.2. PRUNE TREES/SHRUBS**

Trees shall be pruned/trimmed to preclude interference with operation of radar equipment. Shrubs shall be pruned to maintain their natural growth characteristics and containment of size. Minimum clearances from buildings, utilities and other obstructions shall be one foot.

#### **5.2.8.3. IRRIGATE**

Irrigation during the growing season shall be performed on improved grounds as listed in Technical Exhibit 3 as required to maintain a uniform green color, without browning and/or barren areas resulting from lack of water. Precaution shall be taken to irrigate all areas and prevent runoff into streets and drainage ditches and accumulation of water in low areas. The contractor shall operate and maintain any sprinkler systems.

#### **5.2.8.4. REMOVE DEBRIS**

The contractor shall remove all debris that accumulates along fence lines and presents an unsightly appearance or an obstacle to grounds maintenance or equipment operations.

#### **5.2.8.5. ELIMINATE WEEDS**

The contractor shall eliminate weeds in shrub and plant beds and desert landscape areas. All weeds shall be removed or eradicated by environmentally safe means. All herbicides and pesticides shall be used IAW federal, state, and local laws.



**5.2.8.6. REPAIR GRASS AREA**

The contractor shall repair areas damaged by vehicular traffic, utility system repair, building repair, winter kill, drought, insects or diseases by seeding, sprigging or sodding to meet the standards of surrounding areas.

**5.2.8.7. APPLY FERTILIZER/SOIL AMENDMENTS**

The contractor shall apply commercial fertilizer in the spring and fall on improved grounds as listed in Technical Exhibit 3.

**5.2.8.8. REMOVE TREES, SHRUBS AND STUMPS**

The contractor shall remove dead, diseased or identified trees, shrubs and dispose of the debris. The area shall be repaired/replanted with like items.

**5.2.8.9. PERFORM EROSION CONTROL**

Upon identification of erosion, the contractor shall stabilize and/or restore areas to meet the appearance of the surrounding area.

**5.2.8.10. PERFORM PEST CONTROL**

The contractor shall be responsible for performance of pest control. All pest control will be IAW federal, state and local laws.

**5.2.9. SNOW REMOVAL**

The contractor shall be responsible for snow removal as required on all Government owned/leased property identified in Technical Exhibit 5. The contractor shall be responsible for snow removal to access Government owned/leased property not maintained by state, county or local Government.

**5.2.10. FACILITIES AND ROADS MAINTENANCE AND REPAIR**

The contractor shall maintain all Government furnished facilities and roads in such a manner as to present a clean, neat appearance and provide a safe working environment.

**5.2.10.1. REAL PROPERTY (FACILITY) MAINTENANCE**

The contractor shall provide all maintenance for the repair of all Government Furnished Facilities as listed in Technical Exhibit 5, IAW Industry Standards. Repair shall include, but is not limited to, all building fixtures, doors, windows, plumbing, sewage systems, heating, cooling, electrical power products, electrical lighting, fire suppression systems, alarm systems, concrete surfaces, fences, gates, signs, and roads. Reimbursable material expenditures over \$500 shall be validated by the QAE prior to purchase. Reimbursable material expenditures over \$2,500 shall have prior approval from the CO.

**5.2.10.1.1. Housekeeping**

The contractor shall maintain a safe, clean, and presentable appearance in all areas of all facilities.

**5.2.10.2. ROADS MAINTENANCE AND REPAIR**

The contractor shall inspect roads no less than quarterly to determine serviceability. The contractor shall repair roads, sidewalks, curbs and parking lots when necessary. If the material cost for the repairs is greater than \$2,500, the contractor shall secure QAE approval. If the

material cost for the repairs is greater than \$10,000, the project is considered a major repair and the government will either issue a work request to the contractor for the repair IAW CLIN 0X05, or handle the repair actions with government resources. Repairs shall not be considered “major” if they are simply the consolidation of multiple minor repairs.

**5.2.10.2.1. Improved Roads and Parking Lots**

The contractor shall make minor repairs such as filling potholes and deep cracks or repairing crumbling surfaces on all Government owned/leased paved roads and parking lots depicted in Technical Exhibit 3. The contractor shall stripe parking lot spaces whenever stripes become too faded to distinguish lines.

**5.2.10.2.2. Unimproved Gravel Access Roads**

The contractor shall repair potholes, ruts, and washouts on all gravel access roads that lead to sites or associated equipment sites when such roads are not maintained by the state or county governments.

**5.2.10.2.3. Sidewalks and Curbs**

The contractor shall repair broken, cracked, or crumbling concrete sidewalks and curbs at sites using industry accepted standards.

**5.2.11. PROPERTY MANAGEMENT**

The contractor shall control and account for all Government furnished equipment, facilities, supplies and property. The contractor shall identify to the CO not later than contract start date, a single point of contact for property administration.

**5.2.11.1. ACCOUNTING**

The contractor shall periodically inventory all government property in its possession or control, and shall cause subcontractors to do likewise. The contractor, with the approval of the property administrator, shall establish the type, frequency and procedures.

**5.2.11.2. EXCESS PROPERTY**

The contractor shall identify and report Government property in excess of contract requirements or that is unserviceable to the local QAEs for disposition instructions. When directed, the contractor shall turn assets in to host base supply in accordance with AFM 23-110.

**5.2.11.3. AUTOMATIC DATA PROCESSING EQUIPMENT (ADPE) HARDWARE AND SOFTWARE**

The Government will provide the hardware and software required to support the following functions: material control, quality, maintenance, operations, and government administrative interaction. Specific hardware and software to be provided will be determined during the site transition period. Replacement, upgrades, and new requirements shall be requested IAW the host base procedures. The contractor shall perform audits and other procedures for protection and control in accordance with AFSSI 5100. The contractor shall not connect privately owned hardware or software with GFE or GFP and shall ensure products produced on privately owned hardware do not spread viruses to GFP ADPE. The contractor shall comply with host-base procedures to repair ADPE hardware.

### **5.3. ENVIRONMENTAL**

The contractor shall comply with and implement the host base Environmental Management Program to prevent or minimize accidental release of hazardous materials into the environment. The contractor shall report any environmental deficiencies to the host base.

### **5.4. RESERVED**

### **5.5. LOGISTICS**

Logistics support includes materiel control, transportation, investigation of deficiencies, property management, fuel and oil and funds management. The materiel control function includes requisition, purchase, stockage, storage, issuance, utilization, turn-in and accounting of spare parts and consumable supplies. Transportation consists of, but is not limited to vehicle control and movement of parts and equipment from base supply to the site or from site to site. Property management is the control and utilization of GFP and GFE items. Fuel and oil includes the purchase, use and disposal of those materials. Funds management includes use and accounting of reimbursable and allocated funds. Investigation of deficiencies includes identification of suitable substitutes for discontinued or upgraded parts, components or assemblies. The contractor shall provide all services and supplies, not otherwise provided by the Government, as specified in Section C-3, Government Provided Property and Services.

#### **5.5.1. LOGISTICS POINT OF CONTACT**

The contractor shall identify to the CO not later than full performance start date an individual at each site who is to be responsible for logistics support.

#### **5.5.2. MATERIEL CONTROL MANAGEMENT**

The contractor shall control, protect and preserve all Government furnished materials, supplies and equipment at each site. These actions shall be in accordance with AFM 23-110, AFI 31-209, and FAR Part 45.

##### **5.5.2.1. ACCOUNTS**

The contractor shall maintain organizational supply and equipment accounts at each designated host base IAW AFM 23-110. All accounts shall have a supplemental ship-to address. The contractor shall maintain an Organizational Cost Center Report (OCCR) account for each major C-E system and one account for general support.

##### **5.5.2.2. PARTS ORDERING PROCEDURES**

The contractor shall follow host base supply procedures and regulations or instructions when requesting parts. All backordered parts shall be reconciled monthly.

##### **5.5.2.2.1. NSN Items**

The contractor shall use the Air Force supply system to procure all Nationally Stock Numbered (NSN) items required in support of this contract. The contractor shall obtain technical coordination from ACC/DORR, the Chief of Supply, and the Item Manager (depot) before buying items with an ERRC of XD2 when not available through base supply. NSN items may be obtained through contractor channels when UND "A" or above is used, ERRC of XB3 or XF3 are assigned and the government source cannot meet the required need date. The contractor shall obtain technical coordination from the QAE for all local purchase requests over \$2,500. The contractor shall obtain CO approval for local purchases over \$10,000.

#### **5.5.2.2.2. Non-NSN Source Priorities**

The contractor shall order and account for all equipment spares and supplies required to support the contract as follows:

- All purchases for ADPE, regardless of the dollar value, require Government approval
- If the cost of a non-NSN item is under \$10,000, the contractor shall obtain the item through appropriate contractor procurement channels and the local purchase CLIN
- If the cost of any non-NSN item is more than \$10,000 the contractor shall attempt to obtain the item using the Air Force supply system
- If the Air Force supply system is unable to meet mission needs, the contractor shall obtain the item through appropriate contractor procurement channels and the local purchase CLIN. Any local purchases in excess of \$10,000 require ACC/DORR technical coordination and contracting officer approval before obtaining the item

#### **5.5.2.3. ACCOUNTABILITY METHODS**

The contractor shall account for all Government Furnished Equipment and Property in the contractor's possession IAW FAR Part 45. Equipment not maintained on Government inventory listings, i.e. bench/shop stocks, forward supply points or Special Purpose Recoverables Authorized Maintenance (SPRAM) accounts, etc., shall be maintained on a contractor-generated, Microsoft Access-compatible database. All items on forward supply point shall be supported by a demand level or have a special level established. All special levels shall be documented IAW AFM 23-110. An additional copy of the supply point listing (Q13) shall be provided to the Government, when requested.

##### **5.5.2.3.1. SPRAM Assets**

The contractor shall establish and manage a SPRAM Account in accordance with AFM 23-110.

##### **5.5.2.3.2 . BENCH/SHOP STOCK**

The contractor shall place recurring ERRC Code XB3 items on bench/shop stock. Bench/shop stock shall be established and operated in accordance with AFM 23-110. An additional copy of the bench stock listing (S04) or Shop Stock listing shall be provided to the Government, when requested.

##### **5.5.2.4. MAINTENANCE TURN-AROUND (TRN)**

The contractor shall establish and manage a maintenance turn-around program (TRN). This shall include documenting, transporting, processing and verification procedures. Actions shall be in accordance with AFM 23-110.

##### **5.5.2.5. MISSION CAPABILITY (MICAP) REPORTING**

The contractor shall track and document all Urgency of Need Designator (UND) "A" issues or backorders with the exception of Equipment Authorization In Use Detail (EAID) items and Urgency Justification Code (UJC) "AR" requests.

##### **5.5.2.6. REPORTS AND LISTINGS**

The contractor shall use the various reports and listings available from the host base supply to review and track supply status and maintain equipment accountability. All available reports and listings are listed in AFM 23-110. The contractor shall coordinate with host base supply to establish requirements and procedures to obtain listings.

#### **5.5.2.7. SUPPLY SYSTEM**

The contractor shall comply with host base supply procedures for processing material requirements. The contractor shall submit supply assistance or supply difficulty letters in accordance with AFM 23-110.

##### **5.5.2.7.1. Supply Run**

The contractor shall coordinate with host base supply and transportation sections to establish procedures for parts pick-up and delivery. When a MICAP part is issued by the host base, the contractor shall ensure the part is received at the site using the quickest means available. When a MICAP part is ordered backorder, the contractor shall ensure that the supplemental ship-to address is used, if applicable.

#### **5.5.2.8. MATERIAL MONITORS**

The contractor shall perform the functions of Awaiting Parts (AWP), Equipment Inoperable for Parts (EIP), Critical Item and TCTO/Time Change Monitor. These duties shall be performed in accordance with AFM 23-110. The contractor shall act as an inspector when receiving items under supplemental ship-to procedures.

##### **5.5.2.8.1. Report of Discrepancy (ROD)**

The contractor shall prepare RODs (SFs 364) IAW AFR 400-54/AFM 23-110 or host base procedures.

##### **5.5.2.8.2. Warranty or Guaranty Items**

The contractor shall maintain warranty or guaranty information on Government-owned or leased equipment. Procedures as outlined in AFM 23-110 shall be followed.

#### **5.5.2.9. PRECIOUS METAL RECOVERY PROGRAM**

The contractor shall comply with the Precious Metals Recovery Program in accordance with AFM 23-110.

##### **5.5.2.10. EXPENDABLE (ERRC CODE XB3) TURN-IN PROGRAM**

Prior to contacting host base supply for turn-in of excess property, the contractor shall coordinate with other sites under this contract. When required, the contractor shall coordinate with the servicing DRMO to determine which categories of unserviceable ERRC Code XB3 items may be disposed of as waste in accordance with AFM 23-110 and local host base procedures.

##### **5.5.2.11. RE-USABLE CONTAINER PROGRAM**

The contractor shall comply with the Reusable Container Program in accordance with AFI 24-202.

##### **5.5.2.12. DEFICIENCY REPORT (DR)**

The contractor shall submit a DR upon receipt of deficient GFP/GFM due to material, quality or manufacturing process IAW host base procedures. The DR shall be in the format generated by the Government provided software. Contractor shall devise a local control plan to insure DR data is not lost during successive submissions. Guidance for DR data requirements and categories of DRs are listed in TO 00-35D-54.

**5.5.2.13. TOOLS**

The government will supply tools IAW Technical Exhibit 5. Procedures outlined in AFM 23-110 shall be followed when procuring special tools. Tools that are lost, or broken due to misuse, shall be reported to the QAE and replaced at the contractor's expense.

**5.5.3. RESERVED.**

**5.5.4. SYSTEM EXECUTIVE MANAGEMENT REPORT (SEMR)**

Contractor shall provide information as requested by HQ ACC/SCCX to verify/explain SEMR data and provide reasons for anomalies. Data contained in the SEMR is explained in AFI 10-602, Attachment 11.

**5.6. QUALITY CONTROL (QC)**

The contractor shall develop, implement and maintain an inspection system that conforms to all the provisions of this PWS and shall include as a minimum, procedures to evaluate maintenance and operator proficiency.

**5.6.1. QC MANAGEMENT**

Quality control personnel shall have sufficient, well-defined, written authority to identify, analyze and document problems and to accept or reject contractor or subcontractor services, supplies and corrective actions. QC personnel shall be autonomous from site management.

**5.6.1.1. INSPECTION AND TESTING**

The contractor shall schedule and perform inspections and tests in sufficient frequency and depth to determine the quality of contractual services and products. The contractor shall, as a minimum, perform annual Technical Inspections on each assigned radar system (to include each individual AN/MST-T1V pedestal), communication equipment, support equipment, and facilities, IAW AFI 21-116.

**5.6.1.1.1. Deficiency Report (DR)**

The contractor shall identify, report and investigate deficiencies in accordance with TO 00-35D-54 and local base procedures.

**5.6.1.2. CORRECTIVE ACTION**

The contractor shall provide timely and effective corrective action for all adverse quality conditions. Follow-up inspections and tests shall be performed as necessary to assure effective corrective action has been implemented and addresses the root cause.

**5.6.2. GOVERNMENT INSPECTIONS AND SURVEYS**

All products and services generated under this contract are subject to verification and evaluation by the CO. The contractor shall support Government inspections and surveys by providing, as a minimum, qualified employees to answer questions, demonstrate equipment performance and/or operations and provide tours of facilities.

**5.6.3. GOVERNMENT IDENTIFIED DEFICIENCIES**

The Government will communicate deficiencies to the contractor via reports generated by the QAE (QAE Surveillance Worksheets and AF Form 802, Contract Discrepancy Report (CDR),

and AF Form 714, Customer Complaint Record). The contractor shall promptly correct Government identified deficiencies.

#### **5.6.4. NRTS COMPLIANCE**

The contractor quality control function shall verify that all NRTS actions comply with applicable guidance. NRTS actions shall be included as part of trend analysis.

#### **5.7. SECURITY**

The contractor shall establish and maintain a security program for protection of facilities, equipment and classified information. The program shall conform to the provisions of DOD 5220.22-M and the Contract Security Classification Specification (DD Form 254).

##### **5.7.1. SECURITY MANAGER**

The contractor shall appoint a security manager and an alternate for each site.

##### **5.7.2. COMPUTER SECURITY (COMPUSEC)**

The contractor shall perform COMPUSEC in accordance with DOD 5220.22 and AFSSI 5102.

##### **5.7.3. COMMUNICATIONS SECURITY (COMSEC)**

The contractor shall maintain a STU-III account for each site at the host base. Security Managers shall obtain STU-III keys in accordance with AFSSI 3007. The contractor shall secure STU-III keys during unattended periods and comply with supplemental controls outlined in DOD 5220.22 and AFSSI 3007. STU-IIIs are Crypto Controlled Items (CCI). Accounting for and transportation of CCI items shall be in accordance with AFM 23-110.

##### **5.7.4. TRAINING**

The contractor shall comply with Operations Security (OPSEC), COMSEC, COMPUSEC, Emission Security (EMSEC) and host base requirements. The Government will provide initial COMSEC, OPSEC, COMPUSEC and EMSEC training for two contractor personnel from each site at the applicable host base. Training for additional contractor employees, including recurring training, shall be the responsibility of the contractor.

##### **5.7.5. DOCUMENT DESTRUCTION**

The contractor shall destroy classified material in accordance with DOD 5220.22.

##### **5.7.6. SECURITY INSPECTIONS/INVESTIGATIONS**

The contractor shall promptly report all security violations in accordance with DOD 5220.22. The contractor shall participate in security violation investigations and routine inspections in accordance with DOD 5220.22.

#### **5.8. FIRE AND SAFETY**

The contractor shall develop, implement and maintain a safety plan that complies with Occupational Safety and Health Administration (OSHA) Program and fire protection requirements. The contractor shall coordinate inspections with the Host Base safety and fire functions.

##### **5.8.1. MANAGEMENT**

The contractor shall identify in writing to the CO not later than full performance start date, a point of contact for fire and safety at each PTR site.

#### **5.8.2. TRAINING**

The host base will provide initial fire safety training for two contractor personnel from each PTR site. Fire safety training, including recurring training, for all additional contractor personnel employed under this contract shall be provided by the contractor.

#### **5.8.3. ACCIDENT/HAZARD REPORTING**

The contractor shall investigate all accidents that result in injury to personnel or damage to Government property. Injury, hazards, or system damage shall be reported IAW host base requirements.

#### **5.8.4. FIRE EXTINGUISHERS**

The contractor shall use the current frequency and inspection requirements for all site fire extinguishers. The contractor shall be responsible for ensuring all fire extinguisher inspection requirements are met. The contractor shall be responsible for charging fire extinguishers.

#### **5.8.5. WEATHER**

The site manager shall have the authority to close a site for extreme weather conditions. The contractor shall send a letter of explanation to HQ ACC/DORR with a copy to the CO within 72 hours of re-opening identifying the reason(s) for closing the site.

#### **5.8.6. SAFETY BRIEFINGS**

The contractor shall brief all visitors on safety precautions and hazards associated with the site and equipment.

#### **5.9. SMOKEY SAM O,M, & S**

SMOKEY SAM visual cueing system operations may be required to augment EC threat emitter system operations. The contractor shall perform SMOKEY SAM operations and maintenance IAW applicable technical orders and local operating instructions.

##### **5.9.1. SMOKEY SAM HANDLING**

The contractor shall handle SMOKEY SAMs IAW AFMAN 91-201, AFI 21-202, ACCI 21-101 and Federal (CFR Title 49), state and local operating instructions.

##### **5.9.2. SMOKEY SAM MUNITIONS ACCOUNT**

The contractor shall establish and maintain a class 1.3G (SMOKEY SAM) munitions account IAW AFMAN 91-201, ACCI 21-101 and local operating instructions. The contractor shall identify to the CO not later than full performance start date, primary and alternate individuals who will be responsible for the Class 1.3G munitions account at SMOKEY SAM equipped sites.

##### **5.9.3. SMOKEY SAM ORDERING AND STORING PROCEDURES**

The contractor shall order and store a reasonable stock of SMOKEY SAM missiles to support SMOKEY SAM operations. Restocking shall be accomplished IAW local host base procedures.



**BELLE FOURCHE, SD ELECTRONIC COMBAT RANGE ANNEX  
(COLONY, WY)**

**SECTION C-1**

**1.6. HOURS OF OPERATION**

**1.6.1. NORMAL HOURS OF OPERATION**

The contractor shall support site-scoring operations for 60 hours per week. Scoring operations exceeding 60 hours will be treated as overtime and shall be supported at the direction of the Government. The contractor shall be vulnerable for scoring operations for 12 hours each day (Monday – Friday) excluding holidays. The contractor may open the site for scoring on the first scheduled mission each day. Site vulnerability start time may vary on a quarterly basis. Pre-Operations requirements shall be IAW ACCI 13-201 and are not considered as part of the vulnerability period for the purpose of overtime computation.

**1.6.2. OUTSIDE NORMAL HOURS OF OPERATION**

The contractor shall be prepared to support up to 600 operational hours per year.

**SECTION C-3**

**3.2 GOVERNMENT FURNISHED SERVICES**

**3.2.1. GOVERNMENT FURNISHED UTILITIES**

The government will pay for utilities and related services, which are required for operation of all facilities/sites.

**3.2.4. REFUSE COLLECTION**

This is considered a government provided service and will be provided or reimbursed IAW 3.2.4.

**3.2.17. METEOROLOGICAL SERVICE**

Contractor shall establish a point of contact with Ellsworth AFB for severe weather notification. In the event an installation is unable to provide accurate information for the main site location, the contractor shall establish other means for local notification, to include the remote sites.

**3.2.18. EOD SUPPORT**

EOD support is not required at this location.

**3.2.19. MEDICAL TREATMENT/TRAINING**

No additional government services are provided.

**SECTION C-5**

**5.9. SMOKEY SAM O, M & S**

N/A

## **DARE COUNTY ELECTRONIC COMBAT RANGE ANNEX**

This annex contains the site-specific information for all sections of the PTR EC O&M PWS for the Dare County ECR EC operations and maintenance complex. All sections and paragraphs of the PWS apply, as written, unless otherwise specified in this annex.

### **1.6.1. Normal Hours of Operation**

Listed in the Tactical Users Handbook for Dare County Range.

### **1.6.2. Outside Normal Hours of Operation**

The contractor shall be prepared to support 100 operational hours per year.

### **3.2.4. Refuse Collection**

Contractor responsibility, no government services are provided.

### **3.2.17. Meteorological Service**

Meteorological services will be provided by 4 OSS/OSW on Seymour Johnson AFB.

### **3.2.19. Medical Treatment/Training**

No additional government services are provided.

### **3.2.20. Schedules**

Daily and weekly activity schedules will be provided by 4 OSS/OSOS via fax.

### **5.1.7.4. Operations Reporting Requirements**

The contractor shall prepare, submit and maintain operations reports; to include shot logs and utilization reports. Shot logs shall be completed, reviewed for accuracy and the results transmitted to the using activity after each scheduled activity.

### **5.8.5. Weather**

Add the following sentence to the end of existing text: For a hurricane evacuation, the contractor shall perform site preparation and evacuate the radar systems IAW local operating instructions.

## **GRANITE PEAK ELECTRONIC COMBAT RANGE ANNEX (DUGWAY PROVING GROUNDS, UT)**

### **SECTION C-1**

#### **1.6. HOURS OF OPERATION**

##### **1.6.1 NORMAL HOURS OF OPERATION**

The contractor shall support site-scoring operations for 60 hours per week. Scoring operations exceeding 60 hours will be treated as overtime and shall be supported at the direction of the Government. The contractor shall be vulnerable for scoring operations for 12 hours each day (Monday – Friday) excluding holidays. The contractor may open the site for scoring on the first scheduled mission each day. Site vulnerability start time may vary on a quarterly basis. Pre-Operations requirements shall be IAW ACCI 13-201 and are not considered as part of the vulnerability period for the purpose of overtime computation.

##### **1.6.2 OUTSIDE NORMAL HOURS OF OPERATION**

The contractor shall be prepared to support up to 600 operational hours per year.

### **SECTION C-3**

#### **3.2. GOVERNMENT FURNISHED SERVICES**

##### **3.2.1. GOVERNMENT FURNISHED UTILITIES**

The government will pay for utilities and related services, which are required for operation of all facilities/sites.

##### **3.2.4. REFUSE COLLECTION**

This is considered a government provided service and will be provided or reimbursed IAW 3.2.1.

##### **3.2.17. METEOROLOGICAL SERVICE**

Weather service is provided by Hill AFB and/or Dugway Proving Ground Range Control functions. Contractor shall abide by all weather advisories/warnings issued by the appropriate Government agencies.

##### **3.2.19. MEDICAL TREATMENT/TRAINING**

The Government will provide first response emergency medical treatment only in cases where the injury is considered life threatening.

##### **3.2.20. SCHEDULES**

Contractor shall retrieve and coordinate the daily schedule from Clover Control for aircraft activity on the UTTR.

## **SECTION C-5**

### **5.7. SECURITY**

Contractor shall be in constant communication with Dugway and/or Hill Range Control when travelling on the Utah Test and Training Range (UTTR), via hand-held or motor vehicle mounted radio. Also, contractor shall have all personal vehicles registered on Dugway Proving Ground for access to the UTTR.

### **5.9. SMOKEY SAM O, M & S**

N/A

**HARRISON, AR ELECTRONIC COMBAT RANGE ANNEX  
(EVERTON, AR)**

**SECTION C-1**

**1.6. HOURS OF OPERATION**

**1.6.1. NORMAL HOURS OF OPERATION**

The contractor shall support site-scoring operations for 60 hours per week. Scoring operations exceeding 60 hours will be treated as overtime and shall be supported at the direction of the Government. The contractor shall be vulnerable for scoring operations for 12 hours each day (Monday – Friday) excluding holidays. The contractor may open the site for scoring on the first scheduled mission each day. Site vulnerability start time may vary on a quarterly basis. Pre-Operations requirements shall be IAW ACCI 13-201 and are not considered as part of the vulnerability period for the purpose of overtime computation.

**1.6.2. OUTSIDE NORMAL HOURS OF OPERATION**

The contractor shall be prepared to support up to 600 operational hours per year.

**SECTION C-3**

**3.2. GOVERNMENT FURNISHED SERVICES**

**3.2.1. GOVERNMENT FURNISHED UTILITIES**

The government will pay for utilities and related services, which are required for operation of all facilities/sites.

**3.2.4. REFUSE COLLECTION**

This is considered a government provided utility and will be provided or reimbursed IAW 3.2.1.

**3.2.17. METEOROLOGICAL SERVICE**

Contractor shall establish a point of contact with Little Rock AFB, AR for severe weather notification. In the event an installation is unable to provide accurate information for the main site location, the contractor shall establish other means for local notification, to include the remote sites.

**3.2.18. EOD SUPPORT**

EOD support is not required.

**3.2.19. MEDICAL TREATMENT/TRAINING**

No additional government services are provided.

**SECTION C-5**

**5.9. SMOKEY SAM O, M & S**

N/A

**LA JUNTA ELECTRONIC COMBAT RANGE ANNEX  
(LA JUNTA, CO)**

**SECTION C-1**

**1.6. HOURS OF OPERATION**

**1.6.1. NORMAL HOURS OF OPERATION**

The contractor shall support site-scoring operations for 60 hours per week. Scoring operations exceeding 60 hours will be treated as overtime and shall be supported at the direction of the Government. The contractor shall be vulnerable for scoring operations for 12 hours each day (Monday – Friday) excluding holidays. The contractor may open the site for scoring on the first scheduled mission each day. Site vulnerability start time may vary on a quarterly basis. Pre-Operations requirements shall be IAW ACCI 13-201 and are not considered as part of the vulnerability period for the purpose of overtime computation.

**1.6.2. OUTSIDE NORMAL HOURS OF OPERATION**

The contractor shall be prepared to support up to 600 operational hours per year.

**SECTION C-3**

**3.2. GOVERNMENT FURNISHED SERVICES**

**3.2.1. GOVERNMENT FURNISHED UTILITIES**

The government will provide potable water delivery and waste water removal at the Ground Base Jammer location.

**3.2.4. REFUSE COLLECTION**

This is a government provided service and will be provided or reimbursed.

**3.2.17. METEOROLOGICAL SERVICE**

Contractor shall establish a point of contact with Petersen Field for severe weather notification. In the event an installation is unable to provide accurate information for the main site location, the contractor shall establish other means for local notification, to include the remote sites.

**3.2.18. EOD SUPPORT**

EOD support is not required.

**3.2.19. MEDICAL TREATMENT/TRAINING**

No additional government services are provided.

**SECTION C-5**

**5.9. SMOKEY SAM O, M & S**

N/A

## **MELROSE ELECTRONIC COMBAT RANGE ANNEX**

This annex contains the site-specific information for all sections of the PTR EC O&M PWS for the Melrose ECR EC operations and maintenance complex. All sections and paragraphs of the PWS apply, as written, unless otherwise specified in this annex.

### **1.6.2. Normal Hours of Operation**

Normal hours of operation are 0800-2200L Monday through Friday.

### **1.6.2. Outside Normal Hours of Operation**

The contractor shall be prepared to support a maximum of 150 operational hours.

### **3.2.1. Government Furnished Utilities**

Potable water is not furnished.

### **3.2.5. Refuse Collection**

Contractor responsibility, no government services are provided.

### **3.2.17. Meteorological Service**

Meteorological services will be provided by 27 OSS/OSW on Cannon AFB.

### **3.2.19. Medical Treatment/Training**

No additional government services are provided.

### **3.2.20. Schedules**

Daily and weekly activity schedules will be provided by 27 OSS/OSOS via Internet.

### **5.1.6. Weather Station Operation.**

The contractor shall obtain weather data (provided per paragraph 3.2.17) for data entries into the AN/TPQ-43 and AN/MST-T1A computers. Weather data shall be entered into both system computers at the beginning of each scoring shift and checked/updated at least once during each scoring shift. During periods of extreme weather conditions, the contractor shall closely monitor the weather and request updates as necessary to ensure that radar equipment TO operational limitations are not exceeded.

## **POINSETT ELECTRONIC COMBAT RANGE ANNEX**

This annex contains the site-specific information for all sections of the PTR EC O&M PWS for the Poinsett ECR EC operations and maintenance complex. All sections and paragraphs of the PWS apply, as written, unless otherwise specified in this annex.

### **1.6.3. Normal Hours of Operation**

Normal hours of operation are 0800-2230L Monday through Thursday and 0800-1300L on Fridays.

### **1.6.2 Outside Normal Hours of Operation**

The contractor shall be prepared to support a maximum of 150 operational hours.

### **3.2.6. Refuse Collection**

Contractor responsibility, no government services are provided.

### **3.2.18. Meteorological Service**

Meteorological services will be provided by 20 OSS/OSW on Shaw AFB.

### **3.2.21. Medical Treatment/Training**

No additional government services are provided.

### **3.2.22. Schedules**

Daily and weekly activity schedules will be provided by 20 OSS/OSOS via fax and or email.

### **5.1.1.2. Route Integration Instrumentation System (RIIS)**

N/A.

### **5.2.2. Maintenance Effort.**

Exceptions to the immediate maintenance requirements are: the AN/SPS-66 Nitnoy.

### **5.2.8. Grounds Maintenance**

For the purpose of this paragraph, the EC range boundary shall consist of Buildings 40014, 40015, 40021 and all surrounding graveled in areas.

### **5.2.9. Snow Removal**

N/A.

### **5.2.10. Facilities and Roads Maintenance and Repair**

For the purpose of this paragraph, the EC range boundary shall consist of Buildings 40014, 40015, 40021 and all surrounding graveled in areas.



## **APPENDIX 1 to PWS C-5, Chapter 1 RANGE INTEGRATION INSTRUMENTATION SYSTEM (RIIS)**

### **1.1. Range Integration Instrumentation System (RIIS)**

This section defines the specific tasks to be performed by the contractor for operation and maintenance (O&M) of RIIS and the Integrated Tactics Assessment System (ITAS) hardware and software. The mission of the RIIS is to integrate Electronic Combat (EC) training locations throughout the U.S. It is responsible for collecting all available sortie data generated by range equipment at each training location, transmitting the data to the main computer and processing the data into debriefing files that are distributed to ITAS debriefing workstations at the MOBs.

#### **1.1.1. RIIS Hours of Operations**

The contractor shall operate and maintain the system main computers and associated workstations and computer terminals 16 hours a day. Normal operational duty day hours are 0700 to 2300, but the operational hours are driven by sortie schedules. The operational period does not include preventive maintenance inspections (PMIs), trouble shooting or maintenance support for software or hardware modifications or other engineering services provided by Government agencies or associate contractors. The contractor shall be capable of extending operating hours when tasked by the Government.

#### **1.1.2. PTR Systems/Services**

The RIIS main computers and workstations are located at Nellis AFB, Nevada in building 200. The RIIS has 12 shelters with computer and communications equipment located at training locations throughout the continental United States that are maintained by site contractor personnel (See Technical Exhibit 8). ITAS debriefing workstations are located at various Main Operating Bases throughout the continental US (See Technical Exhibit 8).

#### **1.1.3. RIIS Operation and maintenance Requirements**

##### **1.1.3.1. System Operation**

The contractor shall operate the system IAW ACCI 13-201 and other applicable publications.

#### **1.1.4. Training Location Equipment Operations Monitoring**

**1.1.4.1.** The contractor shall ensure the continuous correct operation of system and integrated range equipment located at training locations using automated system performance monitoring software during normal duty hours.

**1.1.4.2.** The contractor shall monitor the operation of training location range equipment and system computer and communications equipment daily during normal operating hours using system computer resources in building 200.

**1.1.4.3.** The contractor shall respond within five (5) minutes to a degraded operational condition alert and conduct remote analysis of suspected malfunctions, if remote analysis is possible. The contractor shall request service after remote analysis of suspected malfunction is conducted, if

remote analysis is possible. When remote analysis is not possible, a request for service shall be made as soon as possible.

#### **1.1.5. Computer Systems Administration and Maintenance**

**1.1.5.1.** The contractor shall conduct all categories and provide all levels of RIIS computer operating system administration and maintenance for all applicable Government furnished property making up the system within building 200, at the training sites, and for the ITAS debriefing workstations at the MOBs. The contractor shall ensure that the whole system (training site computers, building 200 computers, and ITAS debriefing workstations) is fully functional and continuously available. (ITAS equipment is used 24 hours a day and on weekends (ANG/AFRES). The contractor shall maintain the system such that it is fully operational and available to perform its mission 96 percent of the time it is scheduled to operate each day and maintain a System Fully Operational rate of 96 percent. The contractor shall maintain the system such that the System Partially Operational rate is less than 4 percent of the time the system is fully operational.

**1.1.5.2.** The contractor shall maintain the system and insure that the specified sortie data acquisition ratio of 96 percent is continuously satisfied or exceeded.

**1.1.5.3.** The contractor shall install and maintain government approved state-of-the-art new and replacement system hardware and commercial software applications, contractor and/or government furnished, in the normal course of maintaining the system.

#### **1.1.6. Computer, Software and LAN System Service Agreements**

**1.1.6.1.** The contractor shall procure and manage system and graphic workstation hardware and operating system software service agreements determined by the Government to be necessary for the efficient and economical operation of the system. The contractor shall ensure that the Silicon Graphics service agreements cover basic support (off-site technical and parts support) for all Silicon Graphics workstations except for the Onyx workstation which requires full support (on-site technical and parts support).

**1.1.6.2.** The contractor shall procure and manage necessary system LAN system service agreements (CDRL A043, Commercial Equipment Repair Parts Support Listings).

**1.1.6.3.** The contractor shall procure and manage necessary commercial software licenses and appropriate support service agreements. The contractor shall renew these support service agreements annually after receiving Government approval.

**1.1.6.4.** The contractor shall ensure all of the commercial system software products are continuously updated with the latest versions and interim updates as they are received throughout the life of the contract.

**1.1.6.5.** The contractor shall notify the government when new versions of system software may adversely impact system operations and provide the government an assessment of the potential impact and recommendations to minimize or prevent the impact.

**1.1.6.6.** The government will advise the contractor if a particular software license and service agreement is obtainable through Government channels (e.g., using an existing government contract). (CDRL A043, Commercial Equipment Repair Parts Support Listings) – Will the government or the contractor maintain these licenses and service agreements? Contractor should maintain agreements (S/W & H/W) not maintained by the government (e.g. ACC does the DEC contract).

#### **1.1.7. Hardware Maintenance**

**1.1.7.1.** The contractor shall perform scheduled and preventive maintenance procedures applicable to the system and the ITAS debriefing workstations at the MOBs in accordance GT-OMM-STO1 and applicable commercial-off-the-shelf (COTS) manuals.

**1.1.7.2.** The contractor shall maintain and calibrate system common and particular support equipment. The contractor shall replace system support equipment that is determined by the contractor and the Government to be unserviceable.

**1.1.7.3.** The contractor shall perform studies and make recommendations for the upgrade and replacement of equipment that has been determined to be logistically non-supportable or supportable at a cost prohibitive level. The contractor shall provide technical support for the assessment, selection, and installation of new and replacement system hardware components. The contractor shall perform studies and replace equipment in the normal course of his technical support activity. The contractor shall also conduct studies as directed by the Air Force during his normal course of providing support to the system to ensure cost effective and efficient operations.

**1.1.7.4.** The contractor shall maintain an applicable corrosion prevention and control program.

**1.1.7.5.** The contractor shall ensure correct operation of all RIIS computer equipment.

**1.1.7.6.** The contractor shall notify the duty maintenance person of an operationally degraded condition (system can not satisfy its mission function).

**1.1.7.7.** The contractor shall notify the Government representative as to the nature of identified problem(s) and provide an assessment of impact on scheduled sortie(s) and an estimated repair time.

**1.1.7.8.** The contractor shall maintain system and debriefing workstation communications interface equipment providing connectivity to external communication equipment/systems using best commercial practices.

**1.1.7.9.** The contractor shall insure that active phone links exist from the system in building 200 to each integrated training location and debriefing workstation location during normal duty hours. The contractor shall initiate necessary corrective actions when an active circuit does not exist, an intermittent circuit exists or a circuit may not be maintained operational. The contractor shall coordinate with responsible cognizant organizations as often as necessary to activate non-

existent or non-operational circuits. The contractor shall assist the Air Force to validate/coordinate circuit requirements through appropriate agencies. The contractor shall support troubleshooting of RIIS and debriefing workstation communication lines in order to isolate communication equipment problems. The contractor shall report circuit problems to appropriate agencies and follow-up to ensure that problems are corrected in a timely manner minimizing any impact to operations and the delivery of debriefings to aircrews. The contractor shall maintain log(s) of reported problems and follow-up actions and verify and validate repair and/or installation action(s).

**1.1.7.10.** The contractor shall support the addition and replacement of associated system interface devices including hardware improvements, additions of hardware to the system, and hardware configuration changes.

### **1.1.8. Range Equipment Compatibility**

**1.1.8.1.** The contractor shall integrate all new and modified range equipment systems (threat radar, command and control, instrumentation, communications, real-time data processing equipment) and ensure that they are correctly integrated.

**1.1.8.2.** The contractor shall verify the format and content of range equipment data outputs to the system training location computer as range equipment is delivered to training locations and integrated with the system. CDRL (Interface Control Documents (ICDs) updates)

### **1.1.9. Computer Operating System Maintenance**

**1.1.9.1.** The contractor shall perform required periodic administrative and maintenance tasks required for the various RIIS and ITAS computer operating systems software. The contractor shall maintain the operating system software for the main computers and associated workstation, the debriefing workstations, and the system's training location computers.

**1.9.1.2.** The contractor shall provide all necessary operating system software operation programming expertise for operating system software. The system uses numerous commercial software programs (e.g., Visual Numeric's PV Wave and Oracle's RDBMS software). The contractor shall provide all necessary VAX/VMS operating system software, DECnet, Wollongong TCP/IP, VMS System Services, VMS Utilities, DCL, VMS internals, VMS Systems Administration, Silicon Graphics IRIX and Personal Computer DOS or Windows operating system expertise to ensure the system is maintained at required operational levels.

**1.1.9.3.** The contractor shall identify, isolate and correct operating system software faults and configuration file errors that negatively affect the system's operation.

### **1.1.10. Computer Systems Initialization**

**1.1.10.1.** The contractor shall re-initialize and check out main computer, workstations, training location computers, and debriefing workstation software semi-monthly, as a minimum. The contractor shall perform system file and configuration maintenance on the training site computers and debriefing workstations remotely from building 200.

**1.1.10.2.** The contractor shall run system operational diagnostic programs as necessary to insure correct operation of all of the system's computer resources.

**1.1.10.3.** The contractor shall load, initialize, and operate commercial and developed application programs and other government furnished software, as necessary to support operations and to insure correct system operation.

**1.1.10.4.** The contractor shall assist the Government as necessary to periodically load and initialize new application software builds.

#### **1.1.11. Operational Database Administration and Maintenance**

**1.1.11.1.** The contractor shall update US fixed and rotor wing aircraft, and offensive and defensive system information (ECM degrade values for techniques for each threat radar emission and/or IR threats) as directed by the Government.

**1.1.11.2.** The contractor shall input and/or update, as required, integrated training location target and simulated threat emitter equipment geographic coordinate information (latitude, longitude and altitude).

**1.1.11.3.** The contractor shall update system threat and CAF ordnance characteristics and capabilities.

**1.1.11.4.** The contractor shall update system DOD offensive and defensive tactics information.

**1.1.11.5.** The contractor shall update system DOD and commercial digital terrain, elevation, and feature databases.

**1.1.11.6.** The contractor shall update system threat characteristic information data files as necessary to support operations.

#### **1.1.12. DOCUMENTATION MAINTENANCE**

**1.1.12.1.** The contractor shall establish and maintain a system operations and maintenance documentation maintenance program.

**1.1.12.2.** The contractor shall track all O&M documentation discrepancies and changes until updates to all appropriate documentation are completed.

**1.1.12.3.** The contractor shall maintain the system's technical orders, contractor generated and commercial publications, manuals, and operating procedures IAW the requirements of C-6 to this PWS.